## INFORMATION DISCLOSURE **CITATION**

ATTY. DOCKET NO.

839-1493

10/821,975

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APPLICANT

Willy ZIMINSKY et al

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		U	.S. PATENT DOCUMENTS			
XAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROPR
1, J.C.	5,413,477	05/09/1995	Moreland	i	i (	
1	5,572,938	11/12/1996	Leger	1	1	
	6,206,685	03/27/2001	Zamansky et al.			
	6,280,695	08/28/2001	Lissianski et al.			
	6,471,506	10/29/2002	Zamansky et al.			
	US 2001/0041157 A1	11/15/2001	Spokoyny			
	US 2002/0029690 A1	03/14/2002	Ridgeway et al.			
	US 2002/0102189 A1	08/01/2002	Madden et al.			
	US 2002/0166484 A1	11/14/2002	Zamansky et al.			
	US 2002/0170431 A1	11/21/2002	Chang et al.			
	US 2003/0009932 A1	01/16/2003	Kobayashi et al.			
	US 2003/0079606 A1	05/01/2003	Katz	<del>-       -</del>		
	US 2003/0091490 A1	05/15/2003	Nolan et al.	<del>-                                     </del>		
	US 2003/0091948 A1	05/15/2003	Bool, III et al.	-		
	US 2003/0099912 A1	05/29/2003	Kobayashi et al.	<del>-   /\</del> -	<del>                                     </del>	
	US 2003/0099913 A1	05/29/2003	Kobayashi et al.	111	<del>                                     </del>	
+ +	US 2003/0104328 A1	06/05/2003	Kobayashi et al.	<del>-       -   -   -   -   -   -   -   -  </del>	<del>                                     </del>	
1	US 2003/0104937 A1	06/05/2003	Sinha	<del>-                                     </del>	<del>                                     </del>	·
	US 2003/0108470 A1	06/12/2003	Spencer et al.	111		
	US 2003/0108833 A1	06/12/2003	Kobayashi et al.		1 / 1	<del></del>
+	US 2003/0110994 A1	06/19/2003	Lissianski et al.	11-1	<del>                                     </del>	
	US 2003/0143128 A1	07/31/2003	Lanier et al.	<del>-                                     </del>	11-11	
1/	US 2003/0147793 A1	08/07/2003	Breen et al.		<del>                                     </del>	
₩	US 2003/0154858 A1	08/21/2003	Kleut et al.	<del>\</del>	<del>                                     </del>	
		FO	REIGN PATENT DOCUMENTS		11 1	
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	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES N
		<u> </u>				
		•	ncluding Author, Title, Date, Pert vior Of Mercury In Coal-Fired Power Plants		•	

February 19-20, 2003, pp. 1-22. Evaluating The Effects of Low-NOx Retrofits on Carbon In Ash Levels ", K.A. Davis, et al. Presented at the Mega Symposium: EPRI-DOE-EPA Combined Utility Air Pollutant Control Symposium, Atlanta, GA, August 1999, pp. 1-15. "Behavior of Mercury In Air Pollution Control Devices on Coal-Fired Utility Boilers<sup>1</sup>" Constance L. Senior, Prepared For Power Production in the 21<sup>st</sup> Century: Impacts of Fuel Quality and Operations, Engineering Foundation Conference, Snowbird, UT, October 28-November 2, 2001, pp. 1-17. 'Loss On Ignition In Coal Combustion Simulations", Stefan P. Domino et al., pp. 1-49 (1999). Reaction Engineering International brochure "Furnace Performance", Reaction Engineering International", printed from REI website on August 22, 2003, pp. 1-2. **Date Considered** 

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Form PTO-FB-A820 (Also PTO-1449)

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		U.S	S. PATENT DOCUMENTS				
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1.1.2	6,604,474	08/12/2003	Zamansky et al.	1	111 1		
Ž.	4,196,173	04/01/1980	deJong et al.	11 /	1\ 7		
	4,233,274	11/11/1980	Allgulin				
	4,273,747	06/16/1981	Rasmussen	11-1			
	4,814,152	03/21/1989	Yan	11			
-	4,843,102	06/27/1989	Horton	11-1			
	5,141,724	08/25/1992	Audeh et al.	111		<u> </u>	
	5,409,522	04/25/1995	Durham et al.	11			
	5,695,726	12/09/1997	Lemer	<del> -\/-</del>	1 1/	<u> </u>	
	5,787,823	08/04/1998	Knowles	+	<del>  \                                   </del>		
	6,027,551	02/22/2000	Hwang et al.	- <del>                                     </del>	<del>                                     </del>		
	6,451,094	09/17/2002	Chang et al.	<del>                                     </del>	<del>                                     </del>		
	6,521,021	02/18/2003	Pennline et al.	1 //	1-/1	·	
	6,558,454	05/06/2003	Chang et al.	+ / \	1/1	· · · · · · · · · · · · · · · · · · ·	
	6,595,147	07/22/2003	Teller et al.	111	1//		_
	6,719,828	04/13/2004	Lovell et al.	<del>      \</del>	11		
	US 2002/0095866	07/25/2002	Hassett	+/	11		
	US 2003/0005634	01/09/2003	Calderon et al.	1/-1	11		
	US 2003/0185718	10/02/2003	Sellakumar	1/ 1	1/ 1		
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			cluding Author, Title, Date, Pertine				
LAC.	1-2 (1997).	·	Loss-On-Ignition and Foam Index Tests In F				PF
			stems", Mark Khesin, et al., Pittsburgh Coal			U, pp. 1-4.	
<u>                                   </u>			r Quality Systems & Services, pp. 1-3, GEA- EA-13132, p. 1, printed December 2003.	3207 (2001)	•		
<del>  \                                   </del>			r Systems, pp. 1-2, printed December 2003.	3.		·	
*Examiner	L. J. Corney		Date Considered	5/011	06		<u> </u>

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	7.18			(including Author, Title, Date, Per ystems, pp. 1-2, printed December 17, 2003.		eic.)		
	634	"NO <sub>x</sub> Control for Boilers",	GE Power S	ystems, pp. 1-2, printed December 17, 2003.		etc.)	·	
	4.10	"NO <sub>x</sub> Control for Boilers", "Coalogic <sup>TM</sup> ", GE Power S	GE Power S Systems, pp. 1	ystems, pp. 1-2, printed December 17, 2003. 1-2, printed December 17, 2003.	•	etc.)		
	630	"NO <sub>x</sub> Control for Boilers", "Coalogic <sup>TM</sup> ", GE Power S	GE Power S Systems, pp. 1 ng", GE Powe	ystems, pp. 1-2, printed December 17, 2003. 1-2, printed December 17, 2003. er Systems, pp. 1-2, printed December 17, 2	•	etc.)		
	430	"NO <sub>1</sub> Control for Boilers", "Coalogic <sup>TM</sup> ", GE Power S "Coal Balancing & Blendin "NO <sub>2</sub> Reduction", Hamon,	GE Power S Systems, pp. 1 ng", GE Power pp. 1-2, Deco	ystems, pp. 1-2, printed December 17, 2003. 1-2, printed December 17, 2003. er Systems, pp. 1-2, printed December 17, 2		etc.)		
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	630	"NO <sub>1</sub> Control for Boilers", "Coalogic <sup>TM</sup> ", GE Power S "Coal Balancing & Blendin "NO <sub>2</sub> Reduction", Hamon, "Selective Catalytic Reduction of the Effect of John H. Pavlish et al., "Sta	GE Power S Systems, pp. 1 ng", GE Power pp. 1-2, Deco- tion (SCR)", Reduction (SN m", Hamon, p	ystems, pp. 1-2, printed December 17, 2003. 1-2, printed December 17, 2003. er Systems, pp. 1-2, printed December 17, 20 ember 8, 2003. Hamon, pp. 1-2, printed December 8, 2003. ICR)", Hamon, pp. 1-3, printed December 8 pp. 1-2, December 8, 2003.	, 2003.	March 2003, 1		g
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-	430	"NO <sub>1</sub> Control for Boilers", "Coalogic <sup>TM</sup> ", GE Power S "Coal Balancing & Blendin "NO <sub>2</sub> Reduction", Hamon, "Selective Catalytic Reduction of the Effect of John H. Pavlish et al., "Sta Technology 82 (2003). Thomas D. Brown et al., "Incompare the selection of the Lefter of John H. Pavlish et al., "Sta Technology 82 (2003).	GE Power S Systems, pp. 1 ng", GE Power pp. 1-2, Dece tion (SCR)", Reduction (SN m", Hamon, p of SCR NOX C tus Review O	ystems, pp. 1-2, printed December 17, 2003. 1-3, printed December 18, 2003. 1-4, December 18, 2003. 1-5, December 18, 2003. 1-6, December 19, 2003. 1-7, December 19, 2003. 1-8, December 19, 2003. 1-9, December 19, 2003. 1-10, December 19, 2003. 1-11, December 19, 2003. 1-12, December 19, 2003. 1-13, December 19, 2003. 1-14, December 19, 2003. 1-15, December 19, 2003. 1-16, December 19, 2003. 1-17, December 19, 2003. 1-18, December 19, 2003. 1-19, December 1	, 2003. , Feeley, III et al., Power Plants", pp	March 2003, <sub>1</sub> . 89-165, Fuel	Processing	
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